

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1-10. (canceled).

Claim 11. (new) A method for adjusting antenna weighing in a plurality of base stations communicating through a plurality of parallel transmission paths with a terminal, the method comprising the steps of:

determining channel coefficients in the terminal for each transmission path;
determining an antenna weighing factor in the terminal using said channel coefficients;

determining a transmission quality value for each transmission channel; and
prioritizing the transmission channels in the terminal, wherein each prioritization is a function of the determined antenna weighing factor and the determined transmission quality value.

Claim 12. (new) The method according to claim 11, wherein, during the step of determining the antenna weighing factor, only the channel coefficients having a transmission quality value above a predetermined limit value are used.

Claim 13. (new) The method according to claim 11, wherein, a weighting is applied to the channel coefficients in direct or inverse proportion to the transmission quality value of the transmission channel.

Claim 14. (new) The method according to claim 11, wherein the transmission quality value is determined using one of a bit error rate, a frame error rate, a transmission power value, and a received power value.

Claim 15. (new) The method according to claim 11, wherein the transmission quality value is a measure of the transmission quality of an uplink channel from the terminal and a respective base station.

Claim 16. (new) The method according to claim 15, wherein, in order to determine the transmission quality value of the uplink channel, the terminal determines a feedback error rate by checking the respective antenna weighting factor set by the base station.

Claim 17. (new) The method according to claim 15, wherein the terminal determines a transmission quality value for the uplink channel using transmission power request signals transmitted from the base station.

Claim 18. (new) A mobile terminal, comprising:
an interface for communicating via a plurality of parallel transmission paths to a plurality of base stations;
a channel coefficient determination unit, communicatively coupled to the interface for determining channel coefficients for each transmission path;
an antenna weighting factor determination unit, communicatively coupled to the channel coefficient determination unit for determining an antenna weighting factor using said channel coefficients; and
a transmission channel control unit, communicatively coupled to the antenna weighting factor determination unit for determining a transmission quality value for each transmission path, wherein, during the time when the antenna weighting factor is being determined, each of the channel coefficients are prioritized used as a respective function of the determined transmission quality value.

Claim 19. (new) The mobile terminal according to claim 18, further comprising a prioritization unit that uses the transmission quality values to determine prioritized weighting factors for each base station.